

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/927,703A  
Source: IFW/6  
Date Processed by STIC: 2/15/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 02/15/2005

PATENT APPLICATION: US/09/927,703A

TIME: 14:04:05

Input Set : A:\09751005-040.txt

Output Set: N:\CRF4\02152005\I927703A.raw

```

4 <110> APPLICANT: Le, Junming
5      Vilcek, Jan
6      Daddona, Peter
7      Ghrayeb, John
8      Knight, David
9      Siegel, Scott
10     Scallon, Bernard
12 <120> TITLE OF INVENTION: Methods of Treating Rheumatoid Arthritis
13     Using Anti-TNF Receptor Fusion Proteins
15 <130> FILE REFERENCE: 0975.1005-040
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/927,703A
C--> 18 <141> CURRENT FILING DATE: 2001-08-10
20 <150> PRIOR APPLICATION NUMBER: U.S. 09/927,703
21 <151> PRIOR FILING DATE: 2001-08-10
23 <150> PRIOR APPLICATION NUMBER: U.S. 09/756,398
24 <151> PRIOR FILING DATE: 2001-01-08
26 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
27 <151> PRIOR FILING DATE: 1998-08-12
29 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
30 <151> PRIOR FILING DATE: 1995-12-11
32 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
33 <151> PRIOR FILING DATE: 1994-10-18
35 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
36 <151> PRIOR FILING DATE: 1994-02-04
38 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
39 <151> PRIOR FILING DATE: 1994-02-04
41 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
42 <151> PRIOR FILING DATE: 1994-02-04
44 <150> PRIOR APPLICATION NUMBER: U.S.08/010,406
45 <151> PRIOR FILING DATE: 1993-01-29
47 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
48 <151> PRIOR FILING DATE: 1993-02-02
50 <160> NUMBER OF SEQ ID NOS: 30
52 <170> SOFTWARE: FastSEQ for Windows Version 4.0
54 <210> SEQ ID NO: 1
55 <211> LENGTH: 157
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
61 <400> SEQUENCE: 1
62 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
63 1           5           10          15
64 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
65           20           25           30

```

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```

66 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
67      35      40      45
68 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
69      50      55      60
70 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
71 65      70      75      80
72 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
73      85      90      95
74 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
75      100     105     110
76 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
77      115     120     125
78 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
79      130     135     140
80 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
81 145      150      155
84 <210> SEQ ID NO: 2
85 <211> LENGTH: 321
86 <212> TYPE: DNA
87 <213> ORGANISM: Mus Balb/c
89 <220> FEATURE:
90 <221> NAME/KEY: CDS
91 <222> LOCATION: (1)...(321)
93 <400> SEQUENCE: 2
94 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48
95 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
96 1 5 10 15
98 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
99 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
100 20 25 30
102 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
103 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
104 35 40 45
106 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
107 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
108 50 55 60
110 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
111 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
112 65 70 75 80
114 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
115 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
116 85 90 95
118 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa 321
119 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
120 100 105
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 107
125 <212> TYPE: PRT
126 <213> ORGANISM: Mus Balb/c

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128 &lt;400&gt; SEQUENCE: 3

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129 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
130 1      5      10      15
131 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
132      20      25      30
133 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
134      35      40      45
135 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
136      50      55      60
137 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
138 65      70      75      80
139 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
140      85      90      95
141 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
142      100      105

```

145 &lt;210&gt; SEQ ID NO: 4

146 &lt;211&gt; LENGTH: 357

147 &lt;212&gt; TYPE: DNA

148 &lt;213&gt; ORGANISM: Mus Balb/c

150 &lt;220&gt; FEATURE:

151 &lt;221&gt; NAME/KEY: CDS

152 &lt;222&gt; LOCATION: (1)...(357)

154 &lt;400&gt; SEQUENCE: 4

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155 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga      48
156 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
157 1      5      10      15
159 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac      96
160 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
161      20      25      30
163 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt      144
164 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
165      35      40      45
167 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag      192
168 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
169      50      55      60
171 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct      240
172 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
173 65      70      75      80
175 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat      288
176 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
177      85      90      95
179 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa      336
180 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
181      100      105      110
183 ggc acc act ctc aca gtc tcc      357
184 Gly Thr Thr Leu Thr Val Ser
185      115
188 <210> SEQ ID NO: 5
189 <211> LENGTH: 119

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190 <212> TYPE: PRT
191 <213> ORGANISM: Mus Balb/c
193 <400> SEQUENCE: 5
194 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
195 1 5 10 15
196 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
197 20 25 30
198 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
199 35 40 45
200 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
201 50 55 60
202 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
203 65 70 75 80
204 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
205 85 90 95
206 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
207 100 105 110
208 Gly Thr Thr Leu Thr Val Ser
209 115
212 <210> SEQ ID NO: 6
213 <211> LENGTH: 8
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 6
218 Gly Thr Leu Val Thr Val Ser Ser
219 1 5
222 <210> SEQ ID NO: 7
223 <211> LENGTH: 7
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 7
228 Gly Thr Lys Leu Glu Ile Lys
229 1 5
232 <210> SEQ ID NO: 8
233 <211> LENGTH: 20
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: PCR oligonucleotides
241 <400> SEQUENCE: 8
242 cctggatacc tgtgaaaaga 20
244 <210> SEQ ID NO: 9
245 <211> LENGTH: 27
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: PCR oligonucleotides
253 <400> SEQUENCE: 9
254 cctggtacct tagtcaccgt ctctca 27

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TIME: 14:04:05

Input Set : A:\09751005-040.txt

Output Set: N:\CRF4\02152005\I927703A.raw

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256 <210> SEQ ID NO: 10
257 <211> LENGTH: 27
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: PCR oligonucleotides
265 <400> SEQUENCE: 10
266 aatagatatc tccttcaaca cctgcaa 27
268 <210> SEQ ID NO: 11
269 <211> LENGTH: 21
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: PCR oligonucleotides
277 <400> SEQUENCE: 11
278 atcgggacaa agttggaaat a 21
280 <210> SEQ ID NO: 12
281 <211> LENGTH: 16
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: PCR oligonucleotides
289 <400> SEQUENCE: 12
290 ggcgggtctgg taccgg 16
292 <210> SEQ ID NO: 13
293 <211> LENGTH: 19
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: PCR oligonucleotides
301 <400> SEQUENCE: 13
302 gtcaacaaca tagtcatca 19
304 <210> SEQ ID NO: 14
305 <211> LENGTH: 23
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: PCR oligonucleotides
313 <400> SEQUENCE: 14
314 cacaggtgtg tccccaagga aaa 23
316 <210> SEQ ID NO: 15
317 <211> LENGTH: 18
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: PCR oligonucleotides
326 <400> SEQUENCE: 15
327 aatctggggt aggcacaa 18
329 <210> SEQ ID NO: 16

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**VERIFICATION SUMMARY**

DATE: 02/15/2005

PATENT APPLICATION: US/09/927,703A

TIME: 14:04:06

Input Set : A:\09751005-040.txt

Output Set: N:\CRF4\02152005\I927703A.raw

L:17 M:270 C: Current Application Number differs, Replaced Application Number  
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date